

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08919

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl⁷ H01Q9/38, 1/38, 9/28, 9/18, 1/40, 1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl⁷ H01Q1/00-21/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971—2003	Jitsuyo Shinan Toroku Koho	1996—2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 09-223921 A (NTT Mobile Communications Network Inc.) 26 August, 1997 & CA 2186186 A1 & EP 766343 A2 & CN 1151621 A & US 5872546 A & KR 211229 B & EP 1249893 A2 Full text; all drawings	1, 2, 5, 8, 9, 18-21, 30-33, 35-40, 42, 43
Y		3, 4, 6, 7, 10, 16, 22-29, 34, 41, 44-48, 52-56, 60, 61

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

18 September, 2003 (18.09.03)

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30 September, 2003 (30.09.03)

Name and mailing address of the ISA/
Japanese Patent Office

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-190706 A (The Furukawa Electric Co., Ltd., Sony Corp.) 05 July, 2002 & JP 2002-124812 A & EP 1198027 A1 & CN 1348234 A Full text; all drawings	3, 10, 23-27, 52-56, 60, 61
X	JP 3008389 U (Kamikawa Corp.) 21 December, 1994 (Family: none) Full text; all drawings	11-14
Y		4, 6, 10, 15-17, 24
X	JP 2001-156532 A (Toshiba Corp.) 8 June, 2001 (Family: none) Par. Nos. [0016] to [0020], Fig. 1	11-13
Y	JP 2001-203529 A (Matsushita Electric Industrial Co., Ltd.) 27 July 2001 (Family: none) Par. No. [0037], Figs.1 to 3	17
Y	JP 2002-319811 A (Murata Manufacturing Co., Ltd.) 31 October 2002 (Family: none) Full text; all drawings	22-24, 34
Y	JP 11-27026 A (Murata Manufacturing Co., Ltd.) 29 January 1999 (Family: none) Full text; all drawings	27-29
Y	CD-ROM which recorded content of description and drawing appended to application form of Japan Utility Model Application 3-38911 (JU 5-76109-A). (Asahi Glass Co., Ltd.) 15 October 1993 (Family: none) Full text; all drawings	41, 44-48
A	JP 2001-217632 A (Matsushita Electric Industrial Co., Ltd.) 10 August 2001 (Family: none) Full text; all drawings	49-51, 57-59